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1 [A system for interactive acquisition and administration of geometric data for thematic map production](#)

Klaus Tuerke

July 1976 **ACM SIGGRAPH Computer Graphics , Proceedings of the 3rd annual conference on Computer graphics and interactive techniques**, Volume 10 Issue 2

Full text available:  pdf(178.27 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Most computer assisted information systems for planning purposes are designed to produce thematic maps as output. Graphic data processing, on the other hand, has not yet reached the degree of perfection already achieved in other fields of EDP, e.g. commercial and statistical applications. The author and his colleagues are integrating cartographic data and presentation techniques gradually into an information system. Within the system being described, the geometric data base is considered as a line ...

2 [Data-centric storage in sensornets with GHT, a geographic hash table](#)

Sylvia Ratnasamy, Brad Karp, Scott Shenker, Deborah Estrin, Ramesh Govindan, Li Yin, Fang Yu
August 2003 **Mobile Networks and Applications**, Volume 8 Issue 4

Full text available:  pdf(255.10 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Making effective use of the vast amounts of data gathered by large-scale sensor networks (sensornets) will require scalable, self-organizing, and energy-efficient data dissemination algorithms. For sensornets, where the content of the data is more important than the identity of the node that gathers them, researchers have found it useful to move away from the Internet's point-to-point communication abstraction and instead adopt abstractions that are more data-centric. This approach entails *na* ...

Keywords: *algorithms, distributed systems, performance, sensor networks*

3 [Design expo case studies: The palm zire 71 camera interface](#)

Ron Fernandez

April 2004 **Extended abstracts of the 2004 conference on Human factors and computing systems**

Full text available:  pdf(2.93 MB) Additional Information: [full citation](#), [abstract](#)

In late summer of 2002, the Palm Human Interface (HI) Team was given four months to design a digital camera interface for the Palm Zire 71 handheld computer. The project required an unusual amount of coordination between HI, product management, engineering, and hardware industrial design (ID) to find ways to extend digital photography conventions into the context of the Palm OS and the not very camera-like form factor of the typical Palm device. This case study shows the evolution of the camera ...

Keywords: *concept design, design planning, industrial design, interaction design, product design, usability research, user interface design*

4 Regaining single sign-on taming the beast

Divyangi Anchan, Mahmoud Pegah

September 2003 **Proceedings of the 31st annual ACM SIGUCCS conference on User services**

Full text available:  [pdf\(217.34 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

It has been our effort at Ringling school to provide our campus community with the capability to uniformly access resources across multiple platforms. Empowering the user with a single sign-on capability has multifold benefits. It greatly improves user experience and relieves the user from the burden of remembering multiple user-id and password pairs. On the administrative side, help desk costs are noticeably reduced and security improved, as users are not tempted to 'store' multiple passwords i ...

Keywords: LDAP, RPC, account synchronization, active directory (AD), active directory service interfaces (ADSI), password synchronization, single sign-on



5 Object management and sharing in autonomous, distributed databases

Dennis McLeod

September 1986 **Proceedings on the 1986 international workshop on Object-oriented database systems**

Full text available:  [pdf\(84.26 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

An important current trend in information management is from a record-based to an object-based orientation. In particular, existing record-oriented database management systems fulfill many of the requirements of traditional database application domains, but they fall short of providing facilities well-suited to applications in office information systems, design engineering databases, and artificial intelligence systems. In an object-oriented system: information units of various modalities, ...



6 Position papers: Using the web to coordinate distributed applications

P. Ciancarini, R. Tolksdorf

September 1996 **Proceedings of the 7th workshop on ACM SIGOPS European workshop: Systems support for worldwide applications**

Full text available:  [pdf\(537.67 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Original Web middleware does not provide support for multiuser applications, such as groupware or workflow, as its basic nature is that of a passive information system. In fact, all activity is tied to server machines able to execute code using the CGI mechanism.

Enhanced web browsers supporting applet scripting languages, such as Java [1], allow multithread activity at the user interface. However, there is no integrated middleware to coordinate activities tied to multiple, distribu ...



7 Coordination models, languages and applications: Eliciting coordination policies from requirements

Henry Muccini, Fabio Mancinelli

March 2003 **Proceedings of the 2003 ACM symposium on Applied computing**

Full text available:  [pdf\(852.09 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Software coordination models and languages describe how agents, resources and processes work together to implement a software system. One of their limitations is that they are used late in the software development and they are not integrated in a typical software development process. What we claim, with our research, is that if coordination becomes explicit and formalized as soon as possible in the life cycle, then it is possible to create coordinated-aware software systems. Moreover, it is possi ...

Keywords: coordination and requirements, coordination policies elicitation, software process



8 What is coordination theory and how can it help design cooperative work systems?

Thomas W. Malone, Kevin Crowston

September 1990 **Proceedings of the 1990 ACM conference on Computer-supported cooperative work**


Full text available:  [pdf\(1.12 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

It is possible to design cooperative work tools based only on "common sense" and good intuitions. But the history of technology is replete with examples of good theories greatly aiding the development of useful technology. Where, then, might we look for theories to help us design computer-supported cooperative work tools? In this paper, we will describe one possible perspective—the interdisciplinary study of coordination—that focuses, in part, on how people work together ...

9 Coordination models, languages and applications (CM): Editorial message: special track on coordination models, languages and applications

Sascha Ossowski, Ronaldo Menezes

March 2004 **Proceedings of the 2004 ACM symposium on Applied computing**

Full text available:  [pdf\(109.40 KB\)](#) Additional Information: [full citation](#), [abstract](#)

In last few years, the field of coordination models and languages has earned the respect of other computer science researchers as they recognized that the understanding of how parts can be efficiently organized as an ensemble is of prime importance to the design of distributed complex systems. The proliferation of network computing and mobile computation, and especially the ubiquity of the Internet has made coordination one of the key areas in modern computing. This track aims at bringing together ...

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JNL = Journal or Magazine **CNF** = Conference **STD** = Standard1 **2D-3D registration based on shape matching***Cyr, C.M.; Kamal, A.F.; Sebastian, T.B.; Kimia, B.B.;*

Mathematical Methods in Biomedical Image Analysis, 2000. Proceedings. IEEE Workshop on , 11-12 June 2000

Pages:198 - 203

[\[Abstract\]](#) [\[PDF Full-Text \(356 KB\)\]](#) IEEE CNF2 **Visual analysis of a set of function values***Dzemyda, G.;*

Pattern Recognition, 1996., Proceedings of the 13th International Conference on , Volume: 2 , 25-29 Aug. 1996

Pages:700 - 704 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(336 KB\)\]](#) IEEE CNF3 **The extremal properties of spatial stiffness matrices***Shuguang Huang; Schimmels, J.M.;*

Robotics and Automation, 1999. Proceedings. 1999 IEEE International Conference on , Volume: 1 , 10-15 May 1999

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1 Transactional coordination agents for composite systems

Schuldt, H.; Schek, H.-J.; Alonso, G.;

Database Engineering and Applications, 1999. IDEAS '99. International Symposium Proceedings, 2-4 Aug. 1999

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